
पावर रहित सामग्री के प्रहस्तन के लिए
पारिभाषिक शब्दावली
भाग 2 हाथ के ठेले और ट्रॉली
(पहला पुनरीक्षण)

**Glossary of Terms Relating to Non-
Powered Materials Handling Equipment
Part 2 Hand-Trucks and Trolleys
(First Revision)**

ICS 53.040

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FOREWORD

This Indian Standard (First Revision) was adopted by the Bureau of Indian Standards, after the draft finalized by the Earth Moving Equipment and Material Handling Sectional Committee had been approved by the Mechanical Engineering Division Council.

This standard has been prepared for guidance of the industrialists to enable them to interpret the common terms used in this field.

This standard (Part 2) was first published in 1974 and was revised in 1998.

This Standard will supersede IS 6839 (Part 2): 1998.

In preparation of this standard assistance have been derived from BS 3810 (Part 1) : 1964 'Glossary of terms used in material handling, Part 1', issued by the British Standards Institution.

The composition of the Committee responsible for the formulation of this standard is given in Annex A.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 2022 'Rules for rounding off numerical values (*second revision*)'. The number of significant places retained in the rounded-off value should be the same as that of the specified value in this standard.

*Indian Standard*GLOSSARY OF TERMS RELATING TO NON-POWERED MATERIALS
HANDLING EQUIPMENT

PART 2 HAND-TRUCKS AND TROLLEYS

*(First Revision)***1 SCOPE**

This standard (Part 2) covers different terms on non-powered trucks, trolleys, wheel barrows and industrial trailers.

2 TERMINOLOGY

2.1 For the purpose of this standard, the following terms shall apply.

2.1.1 *Bogie Truck* — A skeleton platform of low height mounted on two centrally located load carrying wheels and fated with two swivel castors, one each on either end (*see* Fig. 1).

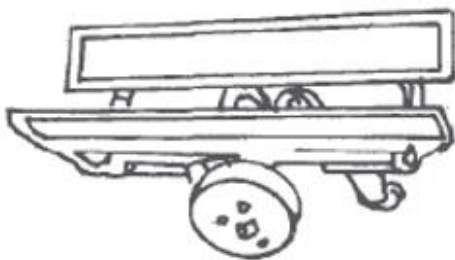


FIG. 1

2.1.2 *Sack Truck* — A frame work consisting of a pair of main side supports and curved cross members suitable to accommodate sacks, and a toe or bracket, normally mounted on two fixed wheels (*see* Fig. 2).



FIG. 2

2.1.3 *Hand Truck* — A frame work consisting of pair of main side supports and flat cross members suitably connected and toe or bracket normally mounted on two fixed wheels (*see* Fig. 3).



FIG. 3

2.1.4 Gas Cylinder Trolley — A frame work consisting of a pair of main side supports, platform to accommodate two gas cylinders and normally mounted on two wheels (see Fig. 4).



FIG. 4

2.1.5 Oil Drum Trolley — A frame work consisting of a single main support at centre provided with drum locking sliding arrangement on it and toe or bracket, normally mounted on two fixed wheels (see Fig. 5).



FIG. 5

2.1.6 Wheeled Towing Handle (Skid Jack) — A lever device fitted with two wheels which engages with a mating part on a semi live stillage, forming a steerable truck (see Fig. 6).



FIG. 6

2.1.7 Wheel Barrow — A box body with shallow sloping front side made out of steel having a single wheel at front or two wheels mounted on axle positioned at centre of the box and two extending handles (see Fig. 7).

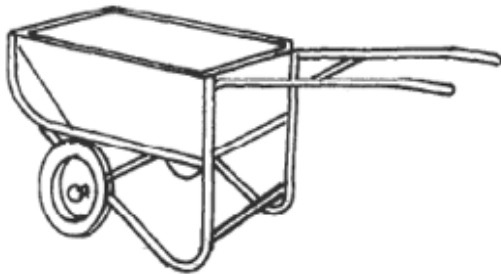


FIG. 7

2.1.8 Dolley — An octagonal frame work mounted on four small wheels or castors upon which a box or a machine may be manoeuvred (see Fig. 8).

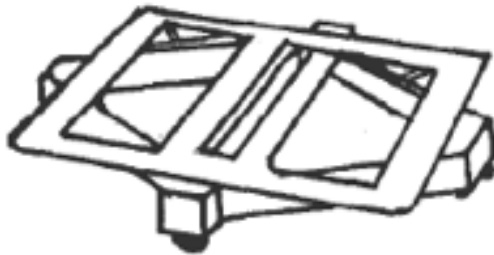


FIG. 8

2.1.9 Platform Truck (Non-Tilt Type) — A load supporting platform made out of steel or wood which may be fitted with superstructure or box mounted on two swivel castors at push handle end or at the end, and two fixed castors with one or two push handles at either ends (see Fig. 9).



FIG. 9

2.1.10 Platform Truck (Tilt Type) — A load supporting platform made out of steel or wood which may be fitted with superstructure or box mounted on two centrally located load carrying wheels or fixed castors and fitted with two swivel castors, one at each end in such a way that tilting or balancing action takes place on centre wheels. Provided with push handle at both ends (see Fig. 10).



FIG. 10

2.1.11 Platform Truck (Turn Table Steering Type) — A load supporting platform made out of steel mounted on two fixed wheels at one end and supported at the other end by two wheels mounted on a turn table fitted with steering/pulling handle (see Fig. 11).

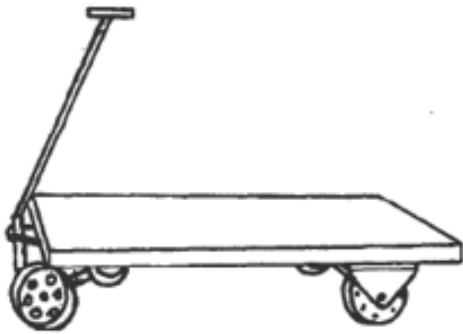


FIG. 11

2.1.12 Platform Truck (Trailer) — A load supporting platform made out of steel which may be towed by tractor designed for internal industrial use but may be equipped with springs, mudguards, brakes, etc. mounted on two or four fixed wheels at rear end and supported by two or four wheels mounted on a turn table, fitted with steering and towing handle (see Fig. 12).

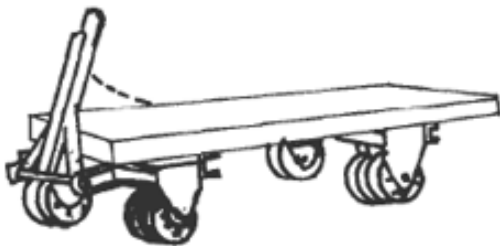


FIG. 12

2.1.13 Pole Trailer — A trailer consisting of a single pole of steel with a carriage at each end. The carriages are fitted with bolsters and the trailer is usually adjustable in length. The trailer is used to transport long loads such as steel bars and timber (see Fig. 13).

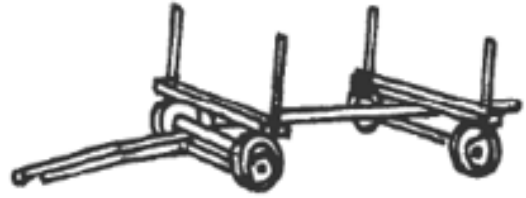


FIG. 13

2.1.14 Stillage Truck (Lifting Hand Elevating Truck) — An elevating type truck for insertion under the deck of stillage, the elevating motion being manually operated by mechanical leverage to enable the stillage to be raised off the ground for horizontal movement (see Fig. 14).



FIG. 14

2.1.15 Hand Pallet Truck — A truck with two elevating type fingers or forks for insertion under the deck of pallet, the elevating motion being manually operated by hydraulic pump, to enable the load/pallet to be raised off the ground for horizontal movement (see Fig. 15).



FIG. 15

2.1.16 Hydraulic Lifting Table — A load elevating truck consisting of elevating platform base frame, scissor type mechanism connected with elevating platform and base frame. The elevating motion is being manually produced with the help of hydraulic hand pump for raising the load to the required height fitted with wheels and castors by which the lifting table can be moved manually (*see* Fig. 16).

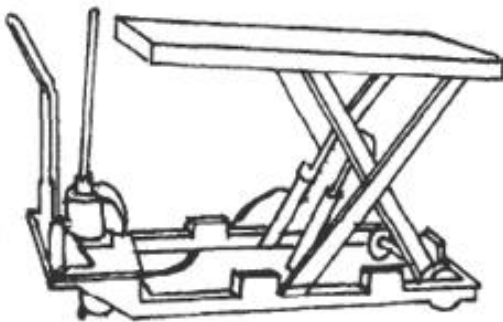


FIG. 16

2.1.17 Stacking Truck — A pedestrian controlled truck with extended legs, and forks for insertion under the deck of pallet or stillage. The legs may be under the deck of pallet or stillage or straddle either side of it. The truck is fitted with the mast, which may be telescopic, and the forks are mounted on carriage, which may be elevated within the limit of mast. The elevating motion of forks may be manual by hydraulic pump or mechanical winch. The forks may be replaced by platform (*see* Fig. 17).



FIG. 17

ANNEX A

(Foreword)

COMMITTEE COMPOSITION

Earth Moving Equipment and Material Handling Sectional Committee MED 07

<i>Organization</i>	<i>Representative(s)</i>
BEML Ltd, Bengaluru	SHRI V. SEKAR (<i>Chairman</i>)
Airports Authority of India, New Delhi	SHRI K. S. KUNWAR SHRI JASPAL SINGH (<i>Alternate</i>)
Automotive Research Association of India, Pune	SHRI A. AKBAR BADUSHA
BEML Ltd, Bengaluru	SHRI HEMANT KUMAR (<i>Alternate</i>)
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Central Mine Planning and Design Institute Ltd, Ranchi	SHRI PARAG MAJUMDAR SHRI PRAVEEN K. SINHA (<i>Alternate</i>)
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Directorate General of Mines Safety, Dhanbad	SHRI D B NAYAK SHRI VIJAY YADAORAO BARAPATRE (<i>Alternate</i>)
Directorate General of Quality Assurance, Ministry of Defence, New Delhi	LT COL SIDHARTH KHATTRI SHRI RAGHUBIR SINGH (<i>Alternate</i>)

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Escorts Construction Equipment Ltd, Faridabad	SHRI FAIZ AHMAD Ms RUPALI SHARMA (<i>Yp</i>)
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Manitou India Ltd, Greater Noida	SHRI ATUL K SINGHAL
Mcnally Bharat Engineering Company Ltd, Kolkata	SHRI ASHOK KUMAR BOSE SHRI SANDIPAN DAW (<i>Alternate</i>)
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MS KHASHBOO KUMARI
Scientist 'D' (MED), BIS

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Amendments Issued Since Publication

Amend No.	Date of Issue	Text Affected

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